



DATE: 08/15/2001

TIME: 09:29:27



## RAW SEQUENCE LISTING

y

PATENT APPLICATION: US/09/486,882

Input Set : A:\Try22410.app

Output Set: N:\CRF3\08132001\I486882.raw

	5 7 9 10 12 14 16 17 18 19 21 22 23	<120 <130 <140 <141 <160 <170 <211 <212 <213 <220 <221 <222	<pre>&lt;110&gt; APPLICANT: Rowett Research Institute Services limited &lt;120&gt; TITLE OF INVENTION: Chimeric binding peptide library screening method &lt;130&gt; FILE REFERENCE: P22410-/scr/bou &lt;140&gt; CURRENT APPLICATION NUMBER: US/09/486,882 &lt;141&gt; CURRENT FILING DATE: 2000-03-02 &lt;160&gt; NUMBER OF SEQ ID NOS: 78 &lt;170&gt; SOFTWARE: PatentIn Ver. 2.0 &lt;210&gt; SEQ ID NO: 1 &lt;211&gt; LENGTH: 521 &lt;212&gt; TYPE: DNA &lt;213&gt; ORGANISM: Recombinant human oestrogen &lt;220&gt; FEATURE: &lt;221&gt; NAME/KEY: CDS &lt;222&gt; LOCATION: (41)(475)</pre>																
		5 <400> SEQUENCE: 1																	
	26 27 28	aagcttgcat gcaaattcta tttcaaggag acagtcataa atg aaa tac cta ttg  Met Lys Tyr Leu Leu  1												55					
	30	cct Pro									Leu		gcc				atg	103	
W>	34 35	gcc Ala						taa	tag	aca)	gcc		Gly					151	
	38 39	atg Met		Ser	gcc				Arg						aat			199	
W>	42 43	gct Ala												ggc				247	
W>	46 47	ttc Phe	ttc					caa					tat					295	
₩- <b>-</b> >	50 51	acc Thr					att					agg					gcc	343	
W>	54 55	tgc Cys				aaa					gga					ggg		391	
W>	58 59	cga Arg			cga					atg					cgc			439	
W>	62 63	gat Asp	Asp	ggg					gaa				tga <b>145</b>		cago	gtc		485	
n- <b>-</b> ∕	66	agag	135 140 145 agagtgacct gagctaaaat aacacattca gaattc 521 <210> SEQ ID NO: 2																

RAW SEQUENCE LISTING DATE: 08/15/2001 PATENT APPLICATION: US/09/486,882 TIME: 09:29:27

Input Set : A:\Try22410.app

Output Set: N:\CRF3\08132001\I486882.raw

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70 <211> LENGTH: 27
71 <212> TYPE: PRT
72 <213> ORGANISM: Recombinant human oestrogen
74 <400> SEQUENCE: 2
75 Met Lys Tyr Leu Leu Pro Thr Ala Ala Gly Leu Leu Leu Ala
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78 Ala Gln Pro Ala Met Ala Gln Val Gln Leu Gln
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82 <210> SEQ ID NO: 3
83 <211> LENGTH: 115
84 <212> TYPE: PRT
85 <213> ORGANISM: Recombinant human oestrogen
87 <400> SEQUENCE: 3
88 Ala Ala Ala Gly Gly Gly Ser Met Glu Ser Ala Lys Glu Thr Arg
91 Tyr Cys Ala Val Cys Asn Asp Tyr Ala Ser Gly Tyr His Tyr Gly Val
                20
                                    25
94 Trp Ser Cys Glu Gly Cys Lys Ala Phe Phe Lys Arg Ser Ile Gln Gly
                                40
97 His Asn Asp Tyr Met Cys Pro Ala Thr Asn Gln Cys Thr Ile Asp Lys
                            55
100 Asn Arg Arg Lys Ser Cys Gln Ala Cys Arg Leu Arg Lys Cys Tyr Glu
                         70
103 Val Gly Met Met Lys Gly Gly Ile Arg Lys Asp Arg Arg Gly Gly Arg
106 Met Leu Lys His Lys Arg Gln Arg Asp Asp Gly Glu Gly Arg Gly Glu
                                    105
107
                100
109 Val Gly Ser
110
           115
113 <210> SEQ ID NO: 4
114 <211> LENGTH: 102
115 <212> TYPE: DNA
116 <213> ORGANISM: human
118 <220> FEATURE:
119 <221> NAME/KEY: CDS
120 <222> LOCATION: (1)..(102)
122 <400> SEQUENCE: 4
123 aaa cga act gtg gct gca cca tct gtc ttc atc ttc ccg cca tct gat
                                                                       48
124 Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
125
                                                              15
     1
                     5
                                         10
                                                                       96
127 gag cag ttg aaa tct gga act gcc tct gtt gtg tgc ctg ctg aat aac
128 Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
129
                 20
                                     25
                                                                       102
131 ttc tat
132 Phe Tyr
135 <210> SEQ ID NO: 5
136 <211> LENGTH: 34
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137 <212> TYPE: PRT 138 <213> ORGANISM: human RAW SEQUENCE LISTING DATE: 08/15/2001 PATENT APPLICATION: US/09/486,882 TIME: 09:29:27

Input Set : A:\Try22410.app

Output Set: N:\CRF3\08132001\I486882.raw

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140 <400> SEQUENCE: 5
141 Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
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                                        10
144 Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
145
                 20
                                     25
147 Phe Tyr
151 <210> SEQ ID NO: 6
152 <211> LENGTH: 150
153 <212> TYPE: DNA
154 <213> ORGANISM: Human lymphocyte
156 <220> FEATURE:
157 <221> NAME/KEY: CDS
158 <222> LOCATION: (1)..(150)
160 <220> FEATURE:
162 <400> SEQUENCE: 6
163 atq qcc caq ccc acc acg cgt ccg ggc caa ggg aca cga ctg gac att
164 Met Ala Gln Pro Thr Thr Arg Pro Gly Gln Gly Thr Arg Leu Asp Ile
                     5
                                         10
167 aaa cga act gtg gct gca cca tct gtc ttc atc ttc ccg cca tct gat
                                                                       96
168 Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
                 20
                                     25
171 gag cag ttg aaa tct gga act gcc tct gtt gtg tgc ctg ctg aat aac
172 Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
                                 40
                                                     45
175 ttc tat
                                                                       150
176 Phe Tyr
177
        50
180 <210> SEQ ID NO: 7
181 <211> LENGTH: 50
182 <212> TYPE: PRT
183 <213> ORGANISM: Human lymphocyte
185 <400> SEQUENCE: 7
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187 1
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                                         10
189 Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
                 20
192 Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
193
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195 Phe Tyr
196
        50
199 <210> SEQ ID NO: 8
200 <211> LENGTH: 150
201 <212> TYPE: DNA
202 <213> ORGANISM: Human lymphocyte
204 <220> FEATURE:
205 <221> NAME/KEY: CDS
206 <222> LOCATION: (1)..(150)
208 <400> SEQUENCE: 8
209 atg gcc cag tcc cac cac gcg tcc ggc gga ggg acc aag gtg gag atc
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PATENT APPLICATION: US/09/486,882 TIME: 09:29:27 Input Set: A:\Try22410.app Output Set: N:\CRF3\08132001\I486882.raw 210 Met Ala Gln Ser His His Ala Ser Gly Gly Gly Thr Lys Val Glu Ile 213 aaa cga act gtg gct gca cca tct gtc ttc atc ttc ccg cca tct gat 96 214 Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp 20 217 gag cag ttg aaa tct gga act gcc tct gtt gtg tgc ctg ctg aat aac 144 218 Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn 40 219 150 221 ttc tat 222 Phe Tyr 223 50 226 <210> SEQ ID NO: 9 227 <211> LENGTH: 50 228 <212> TYPE: PRT 229 <213> ORGANISM: Human lymphocyte 231 <400> SEQUENCE: 9 232 Met Ala Gln Ser His His Ala Ser Gly Gly Gly Thr Lys Val Glu Ile 235 Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp 2.0 25 238 Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn 239 241 Phe Tyr 242 50 245 <210> SEQ ID NO: 10 246 <211> LENGTH: 566 247 <212> TYPE: DNA 248 <213> ORGANISM: Recombinant human oestrogen 250 <220> FEATURE: 251 <221> NAME/KEY: CDS 252 <222> LOCATION: (41)..(475) 254 <400> SEQUENCE: 10 255 aagcttgcat gcaaattcta tttcaaggag acagtcataa atg aaa tac cta ttg 55 256 Met Lys Tyr Leu Leu 259 cct acg gca gcc gct gga ttg tta tta ctc gcg gcc cag ccg gcc atg 260 Pro Thr Ala Ala Gly Leu Leu Leu Ala Ala Gln Pro Ala Met 261 10 20 263 gcc gag gtg caa ctg cag taa tag gcg gcc gca ggg gga gga ggg tcc Ala Ala Gly Gly Gly Ser 264 Ala Glu Val Gln Leu Gln 25 /30 267 atg gaa tot goo aag gag act ege tac tgt goa gtg tgc aat gac tat 199 268 Met Glu Ser Ala Lys Glu Thr Arg Tyr Cys Ala Val Cys Asn Asp Tyr 45 247 271 gct tca ggc tac cat tat gga gtc tgg tcc tgt gag ggc tgc aag gcc 272 Ala Ser Gly Tyr His Tyr Gly Val Trp Ser Cys Glu Gly Cys Lys Ala W--> 27360 55 275 ttc ttc aag aga agt att caa gga cat aac gac tat atg tgt cca gcc 276 Phe Phe Lys Arg Ser Ile Gln Gly His Asn Asp Tyr Met Cys Pro Ala

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Input Set : A:\Try22410.app Output Set: N:\CRF3\08132001\I486882.raw W--> 277 70 75 80 85 279 acc aac cag tgc acc att gat aaa aac agg agg aag agc tgc cag gcc 343 280 Thr Asn Gln Cys Thr Ile Asp Lys Asn Arg Arg Lys Ser Cys Gln Ala W--> 281 90 95 283 tgc cgg ctc cgt aaa tgc tac gaa gtg gga atg atg aaa ggt ggg ata 391 284 Cys Arg Leu Arg Lys Cys Tyr Glu Val Gly Met Met Lys Gly Gly Ile 105 110 287 cga aaa gac cga aga gga ggg aga atg ttg aaa cac aag cgc cag aga 439 288 Arg Lys Asp Arg Arg Gly Gly Arg Met Leu Lys His Lys Arg Gln Arg 120 125 291 gat gat ggg gag ggc agg ggt gaa gtg ggg tet tga taatcaggte 485 292 Asp Asp Gly Glu Gly Arg Gly Glu Val Gly Ser 295 agagtgacct gagctaaaat aacacattca ggtcgacttg ggtcagtctg accgggacaa 545 297 agttaatgta acctcgaatt c 300 <210> SEQ ID NO: 11 301 <211> LENGTH: 27 302 <212> TYPE: PRT 303 <213> ORGANISM: Recombinant human oestrogen 305 <400> SEQUENCE: 11 306 Met Lys Tyr Leu Leu Pro Thr Ala Ala Gly Leu Leu Leu Ala 309 Ala Gln Pro Ala Met Ala Glu Val Gln Leu Gln 20 313 <210> SEQ ID NO: 12 314 <211> LENGTH: 115 315 <212> TYPE: PRT 316 <213> ORGANISM: Recombinant human oestrogen 318 <400> SEQUENCE: 12 319 Ala Ala Ala Gly Gly Gly Ser Met Glu Ser Ala Lys Glu Thr Arg 320 10 322 Tyr Cys Ala Val Cys Asn Asp Tyr Ala Ser Gly Tyr His Tyr Gly Val 20 25 325 Trp Ser Cys Glu Gly Cys Lys Ala Phe Phe Lys Arg Ser Ile Gln Gly 35 40 328 His Asn Asp Tyr Met Cys Pro Ala Thr Asn Gln Cys Thr Ile Asp Lys 55 331 Asn Arg Arg Lys Ser Cys Gln Ala Cys Arg Leu Arg Lys Cys Tyr Glu 334 Val Gly Met Met Lys Gly Gly Ile Arg Lys Asp Arg Arg Gly Gly Arg 90 85 337 Met Leu Lys His Lys Arg Gln Arg Asp Asp Gly Glu Gly Arg Gly Glu 338 340 Val Gly Ser 341 115 344 <210> SEQ ID NO: 13 345 <211> LENGTH: 539 346 <212> TYPE: DNA 347 <213> ORGANISM: Recombinant human oestrogen

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/486,882

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.



VERIFICATION SUMMARY. •

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Input Set : A:\Try22410.app

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```
L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:36 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:40 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:44 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:48 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:52 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:56 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:60 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:64 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:265 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10
L:269 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10
L:273 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10
L:277 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10
L:281 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10
L:285 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10
L:289 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10
L:293 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10
L:612 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:21
L:612 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:21
L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
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